

TECHNICAL INFORMATION SHEET

Modular Bilaminate EPDM (White)

TIS #114

Description:

Firestone RubberGard™ EcoWhite™ EPDM is a 0.045" (1.1 mm) non-reinforced, cured single-ply roofing membrane that can be used in fully adhered Modular roofing systems. It consists of black EPDM on the lower side and white Titanium Dioxide TiO₂ base EPDM on the top weathering side.

Preparation of Substrate:

1. Substrates must be clean, dry, smooth, and free of sharp edges, fins, loose or foreign materials, oil, grease, and other materials that may damage the membrane.
2. All roughened surfaces that can damage the membrane shall be repaired as specified to offer a smooth substrate.
3. All surface voids greater than 1/4" (6.3 mm) wide shall be properly filled with an acceptable fill material.

Method of Application:

1. Firestone Modular Bilaminate EPDM must be installed in accordance with current Firestone fully-adhered specifications, details and workmanship requirements.
2. Primary use is within the Modular Building sectors.

Storage:

- Store away from sources of punctures and physical damage.
- Assure that structural decking will support the loads incurred by material when stored on rooftop. The deck load limitations should be specified by the project designer.
- Store away from ignition sources as membrane will burn when exposed to open flame.

Precautions:

- Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.
- Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the RubberGard membrane.
- Refer to Material Safety Data Sheets (MSDS) for safety information.



Packaging:	Widths ¹	Lengths	Weight
.045"	13' (3.9 m)	200' (61 m)	0.33 lb/sf (1.59 kg/m ²)
	15' (4.5 m)	200' (61 m)	
	16.8' (5.1 m)	200' (61 m)	

Physical Properties:

Modular Bilaminate EPDM (White) membrane meets or exceeds the minimum requirements set forth by ASTM D 4637, and CGSB 37-GP-52M, for Type I, Class A, non-reinforced EPDM single-ply roofing membranes.

TECHNICAL INFORMATION SHEET

Reflectivity:		Initial	Weathered	#
	Solar Reflectance	0.80	0.72	
	Thermal Emittance	0.84	0.86	
	SRI	99	88	
	Rated Product ID			0027
Licensed Manufacturer ID			0608	
Classification	Production Line			

Compliance:

Post Consumer Recycled Content: 0%
 Pre Consumer Recycled Content: 0%
 Manufacturing Location: Prescott, AR

Compliance:	Test Method	Result
Solar Reflectance**	ASTM E903	0.83
Thermal Emittance**	ASTM E408	0.92
Solar Reflectance Index (SRI)***	ASTM E1980	105

* Values were obtained from independent testing by CRRG.
 ** Values were obtained from independent testing by Atlas Material Testing DSET Laboratories
 *** SRI was calculated using the SRI calculator from the USGBC

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.